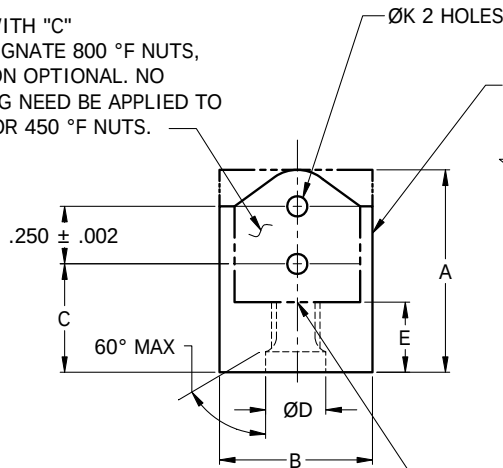


FED. SUPPLY CLASS

5310

MARK WITH "C"
TO DESIGNATE 800 °F NUTS,
POSITION OPTIONAL. NO
MARKING NEED BE APPLIED TO
250 °F OR 450 °F NUTS.



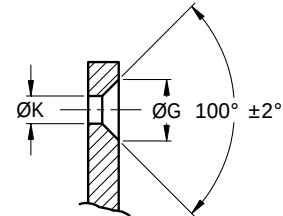
ØK MIN RADIUS CLEARANCE FROM RIVET
HOLE CENTERLINE FOR ATTACHING RIVETS.

OUTLINE OF MAXIMUM ENVELOPE

SHAPE OF TOP
OPTIONAL

.075 MAX.

THREAD T
CBORE ØD X .070 ± .015 DEEP



COUNTERSUNK RIVET HOLES /11/
(OR MAY BE DIMPLED)

TABLE I – DASH NUMBERS AND DIMENSIONS

T THREAD	DASH NUMBER					A MAX	B MAX /10/	C ±.015	E MAX /10/	ØD +.005 −.010	L MAX	H ±.015	ØK +.005 −.000	ØG ±.010
	NYLON INSERT		ALL METAL											
	AL ALLOY NUT	STEEL NUT	STEEL NUT	STEEL ASSY 450 °F	CRES ASSY 800 °F									
	AL ALLOY OR STL HOUSING													
	250 °F	250 °F	250 °F											
.1380-32 UNJC-3B	D06	N06	P06	A06	C06	.906	.619	.484	.343	.150	.531	.281	.098	.200
.1640-32 UNJC-3B	D08	N08	P08	A08	C08	.906	.619	.484	.343	.180	.531	.281	.098	.200
.1900-32 UNJF-3B	D3	N3	P3	A3	C3	.906	.619	.484	.343	.203	.531	.281	.098	.200
.2500-28 UNJF-3B	D4	N4	P4	A4	C4	.906	.687	.484	.375	.266	.585	.313	.098	.200
.3125-24 UNJF-3B	D5	N5	P5	A5	C5	1.000	.750	.578	.437	.328	.645	.344	.130	.230

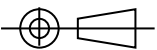
AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST
REVISION DATE.

REVISION DATE: JUNE 30, 2016

ISSUE DATE: JULY 1956

THIRD
ANGLE
PROJECTION



CUSTODIAN
NATIONAL AEROSPACE STANDARDS COMMITTEE

REVISION
7

PROCUREMENT
SPECIFICATION

TITLE

CLASSIFICATION
PART STANDARD

⑦ NASM25027

**NUT, SELF-LOCKING, PLATE, RIGHT ANGLE, REGULAR
HEIGHT, CBORE, FLOATING**



NAS1033
SHEET 1 OF 3

Document Sharing Hub

MATERIAL:

SEE PROCUREMENT SPECIFICATION.

FINISH:

- ⑦ STEEL – CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2. /8/
CRES – SILVER PLATE FOR 800 °F USE PER NASM25027 TO A .0002 MINIMUM THICKNESS ON SURFACES WHICH CAN BE TOUCHED BY A .7500 (3/4-INCH) BALL. THREADS SHALL SHOW COMPLETE COVERAGE, BUT THICKNESS REQUIREMENT ON THREADS IS WAIVED.
ALUMINUM ALLOY – ANODIZE OR CHEMICAL FILM PER NASM25027, EXCEPT ANODIZE SHALL BE LIMITED TO TYPE I OR TYPE II.

LUBRICATION:

- ⑦ STEEL – DRY FILM LUBRICANT PER PROCUREMENT SPECIFICATION.

CODE:

- ⑦ CODE "X" OR "N" INDICATES CADMIUM PLATE.
CODE "A" INDICATES CADMIUM PLATE PLUS AN APPROVED DRY FILM LUBRICANT.
ADD "K" TO END OF PART NUMBER TO OBTAIN NUTS WITH COUNTERSUNK RIVET HOLES.
INSERT "X" IN ADDITION TO "A", "N" OR "P" FOR PLATED STEEL NUTS WITHOUT LUBRICANT.

EXAMPLE OF PART NUMBER:

- ⑦ NAS1033A3 = NUT – STEEL WITH .1900-32 THREAD FOR USE UP TO 450 °F – ALL METAL WITH DRY FILM LUBRICANT.
⑦ NAS1033N3 = NUT – STEEL WITH .1900-32 THREAD FOR USE UP TO 250 °F – ALUMINUM ALLOY OR STEEL HOUSING – NYLON INSERT WITHOUT LUBRICANT.
NAS1033N3K = NUT – STEEL WITH .1900-32 THREAD FOR USE UP TO 250 °F – ALUMINUM ALLOY OR STEEL HOUSING – NYLON INSERT AND COUNTERSUNK RIVET HOLES.
NAS1033AX3 = NUT – STEEL WITH .1900-32 THREAD FOR USE UP TO 450 °F – ALL METAL WITHOUT LUBRICANT.
~~NAS1033NX3 = NUT – STEEL WITH .1900-32 THREAD FOR USE UP TO 250 °F – ALUMINUM ALLOY OR STEEL HOUSING NYLON INSERT WITHOUT LUBRICANT.~~
~~NAS1033NX3K = NUT – STEEL WITH .1900-32 THREAD FOR USE UP TO 250 °F ALUMINUM ALLOY OR STEEL HOUSING – NYLON INSERT AND COUNTERSUNK RIVET HOLES WITHOUT LUBRICANT.~~

NOTES:

- (1) THREADS IN ACCORDANCE WITH AS8879 BEFORE LUBRICATION.
(2) SHAPE OF NUT AND HOUSING OPTIONAL WITHIN LIMITS SPECIFIED, AND SHALL FORM ONE INTEGRAL UNIT TO PREVENT SEPARATION DURING HANDLING.
(3) DIMENSIONS IN INCHES AND APPLY AFTER FINISH AND PRIOR TO THE APPLICATION OF LUBRICATION UNLESS OTHERWISE SPECIFIED.
⑦ (4) "NX" CODE INACTIVE FOR NEW DESIGN AFTER 1 JULY 1972. FOR DESCRIPTION OF STATUS NOTES SEE NAS 380.
(5) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

REVISION

7

NAS1033
SHEET 2



Document Sharing Hub

USE OF OR RELIANCE UPON THIS DOCUMENT OR ANY NATIONAL AEROSPACE STANDARD IS ENTIRELY VOLUNTARY. AIA DOES NOT QUALIFY SUPPLIERS OR CERTIFY

Copyright Aerospace Industries Association of America, Inc. All rights reserved. No reproduction or networking permitted without license from IHS. Provided by IHS Market under license with AIA/NAS. No representation or claim respecting (1) THE SUITABILITY OF ITEM FOR ANY PARTICULAR APPLICATION OR (2) THE EXISTENCE OF OR APPLICABILITY OF PATENT OR TRADEMARKS RIGHTS.

Full document details: AIA NAS1033 2016